

# DIGITAL MEDIA E- 5

# EXPLORING DIGITAL MEDIA

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# AGENDA

- Discuss *The Fall*
- Review of exposure controls
  - Equivalency Quiz
- Review of Depth of Field
  - Breakout groups
    - Discuss uses of depth of field
- Photo Essays

*THE FALL*















# ISO

- Sensitivity of the sensor to light
- What is one stop?
  - Doubling or halving the ISO value
- Artifacts:
  - Noise
  - First appears in the shadows

# SHUTTER SPEED

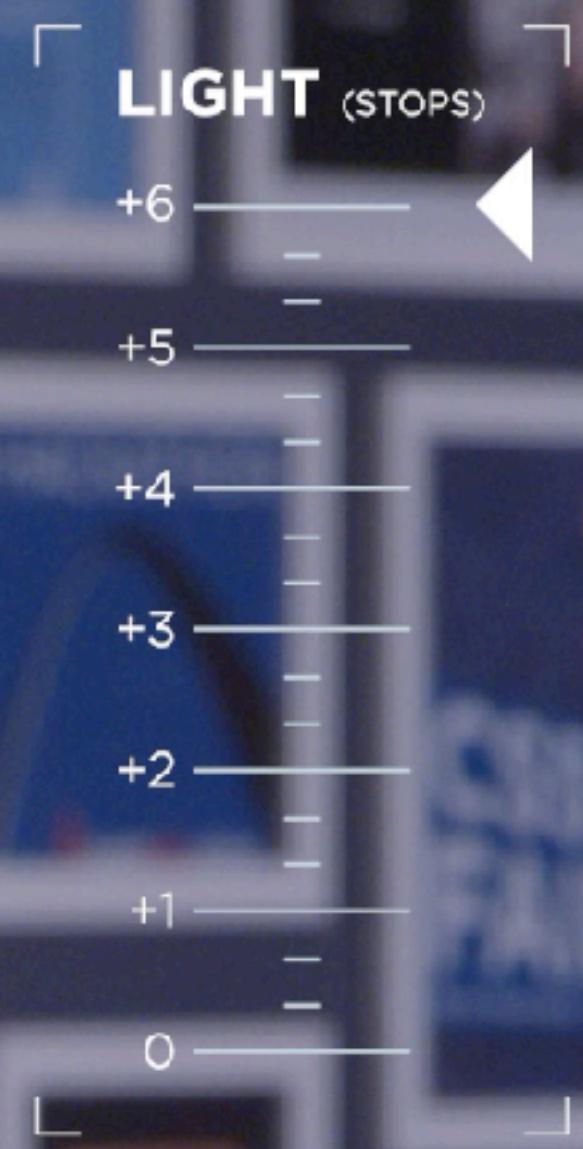
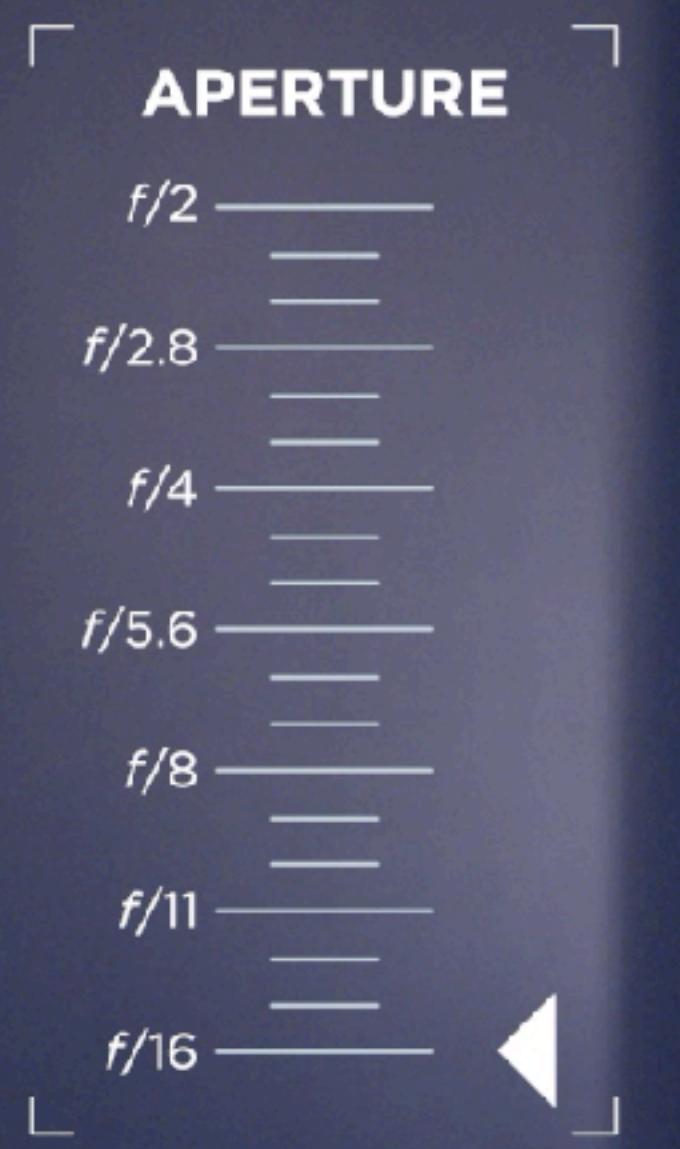
- Time that the sensor is exposed to light
- Sample duration
- What is one stop?
  - Doubling or halving shutter speed
- Artifacts:
  - Motion Blur
    - Slow Speeds = More blur
    - Fast Speeds = Frozen action

# APERTURE

- The size of the opening within the lens
- What is one stop?
- Doubling or halving the area of the aperture opening
- Moving up or down the *f*-number scale by one unit
- Artifacts:
  - Depth of field
    - Large opening (small *f*-number)
      - Shallow depth of field
      - Small opening (large *f*-number)
        - Deep depth of field

# DEPTH OF FIELD

- Aperture
  - Double the aperture double the DOF
    - (one stop)
- Focusing distance
  - Doubling the distance yields 4x the DOF
- Focal length of the lens
  - Doubling the focal length yields  $\frac{1}{4}$  the DOF



**Start APERTURE**

f/2  
f/2.8  
f/4  
f/5.6  
f/8  
f/11

**LIGHT (STOPS)**

+6  
+5  
+4  
+3  
+2  
+1



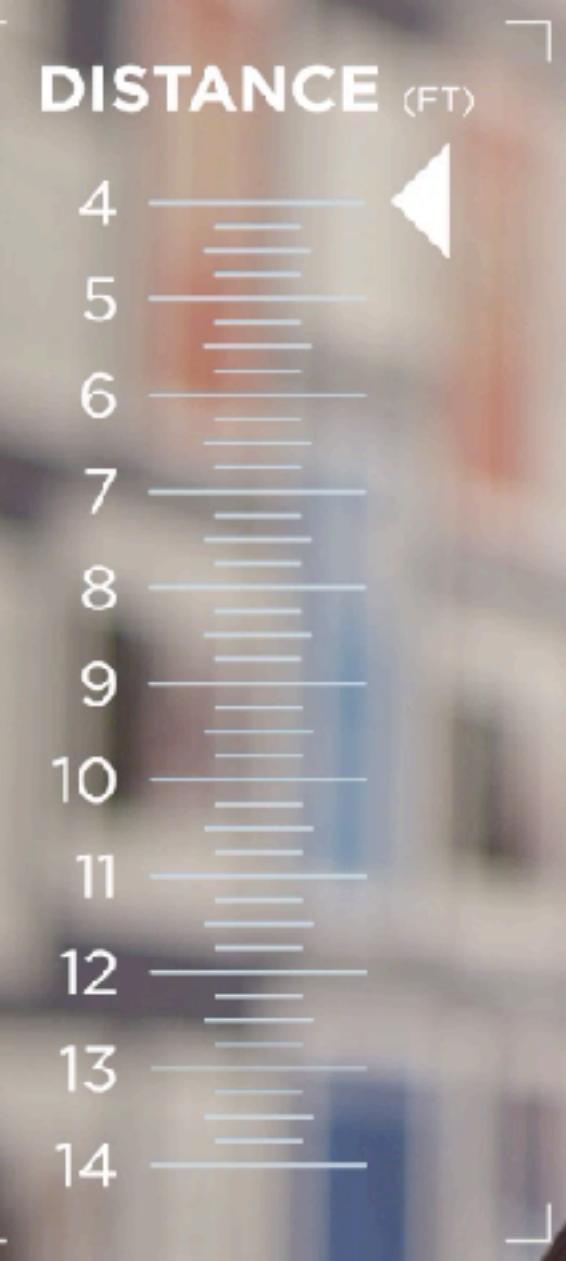
**APERTURE**

**End**  
f/2  
f/2.8  
f/4  
f/5.6  
f/8  
f/11

**LIGHT (STOPS)**

+6  
+5  
+4  
+3  
+2  
+1





Start



End



Aperture

400

200

ISO

f5.6

F 1.4

Shutter Speed

1/125

?

Aperture

400

200

ISO

f5.6

F 1.4

Shutter Speed

1/125

1/1000

Aperture

400

ISO

3200

f4

?

Shutter Speed

1/125

1/60

Aperture

400

ISO

3200

f4

F22

Shutter Speed

1/125

1/60

Aperture

400

640

ISO

f 5.6

F9

Shutter Speed

1/125

?

Aperture

400

640

ISO

f 5.6

F9

Shutter Speed

1/125

1/180

WHAT IS THE PRIMARY VISUAL ARTIFACT















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# THE PHOTO ESSAY

- Narrative
  - Tells a story or show an unfolding of events
- Thematic
  - Presents photos relevant to a theme

# THE PHOTO ESSAY

- Observational
  - Showcases events and reality as it unfolds with minimal interpretation
  - Cinéma Vérité

# THE PHOTO ESSAY

- Impressionistic
  - Focuses on creating an emotional tone and tends toward a poetic interpretation of the subject

# THE PHOTO ESSAY

- Reflexive
  - Showcases the relationship of the photographer to the subject
  - Often autobiographical

# SMALL GROUPS

- Using the following photo essays analyze the methods used.
- Decide whether the series is thematic or narrative.
- Is the methodology observational, reflexive or impressionistic?
- Decide how effective the sequencing and arrangement are.

GROUP 1

From the series  
*Country Doctor* by Eugene Smith

# GROUP 1



# GROUP 1



# GROUP 1



# GROUP 1



# GROUP 1



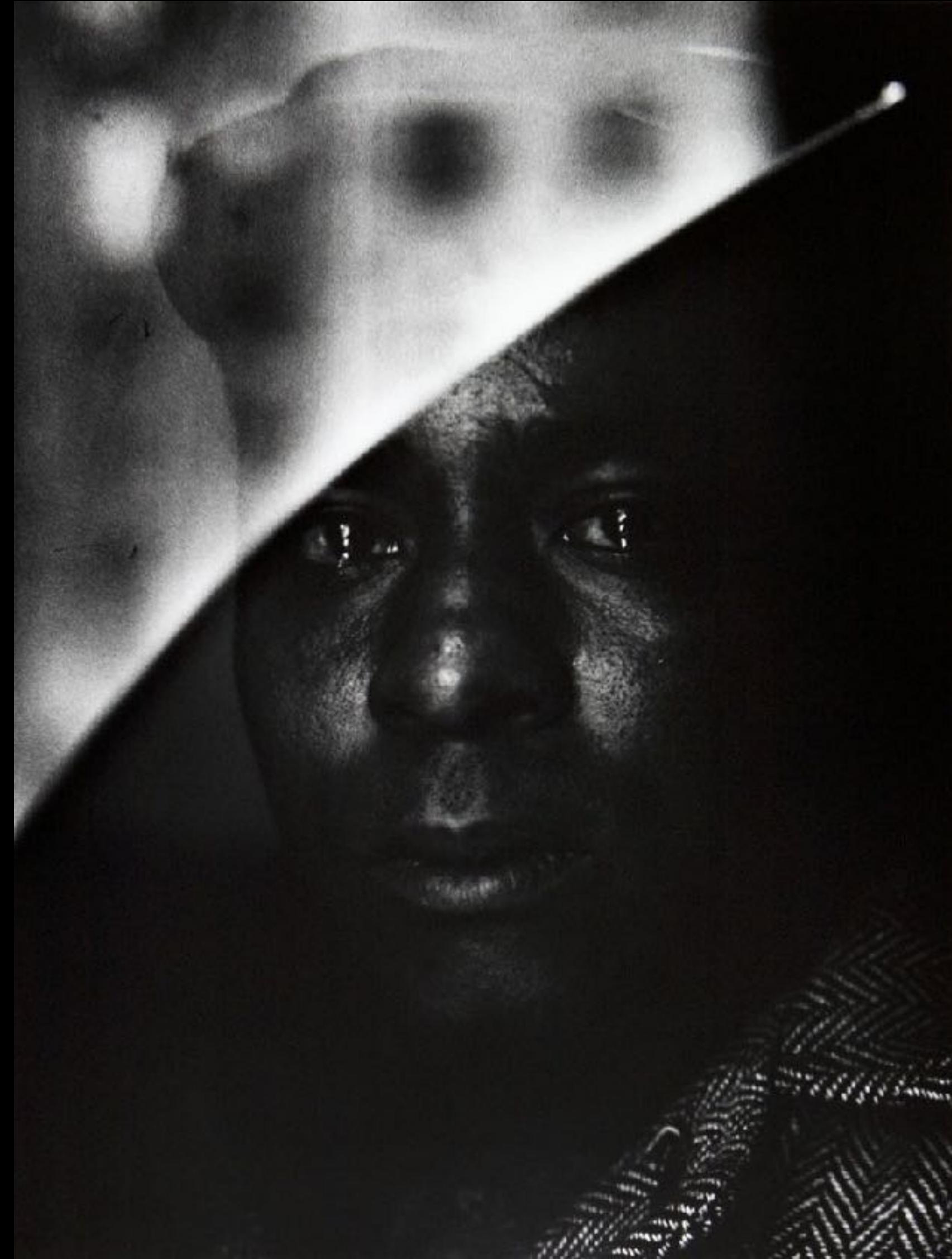
# GROUP 1



GROUP 2

From the series  
*Harlem Family* by Gordon parks

# GROUP 2



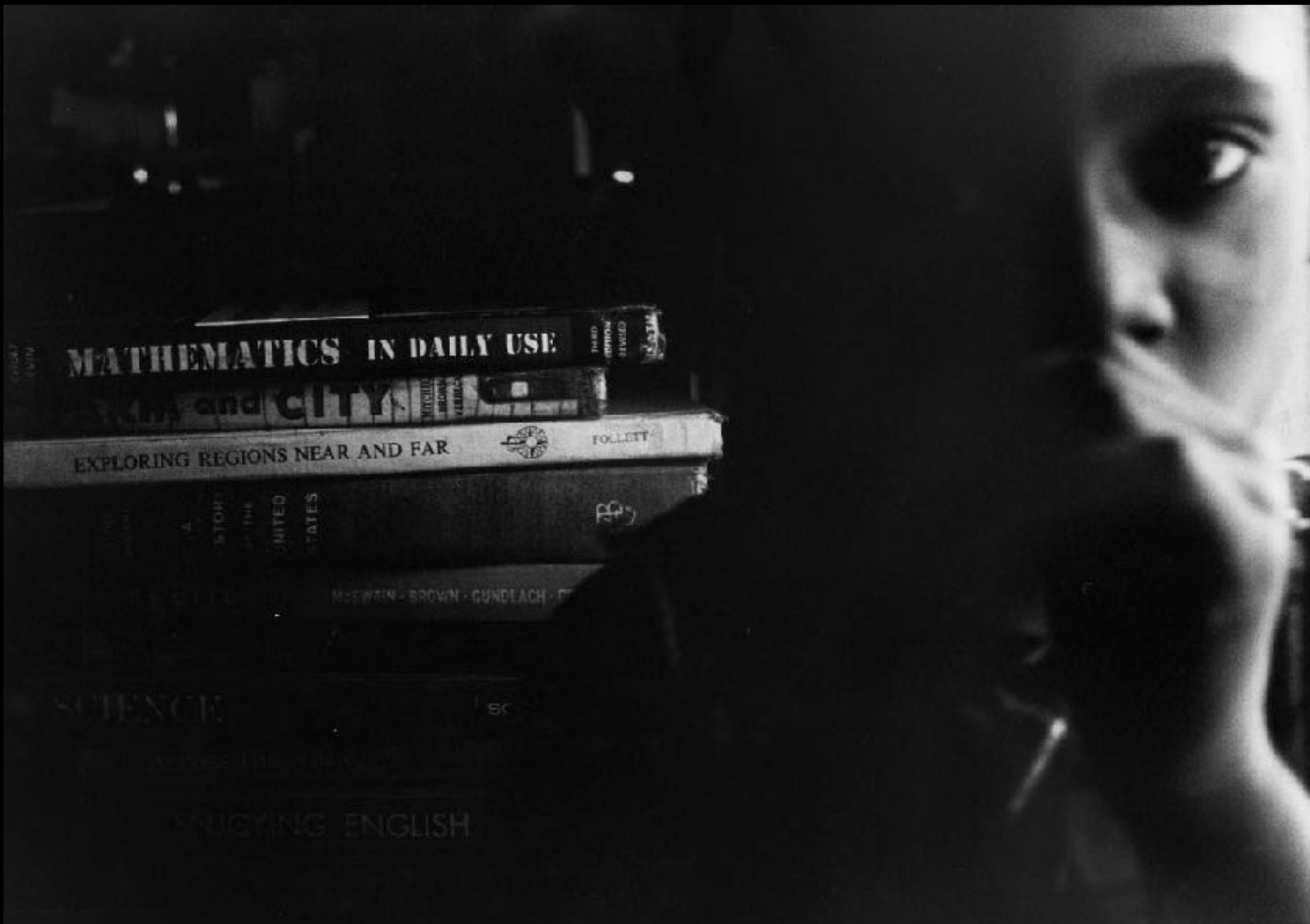
# GROUP 2



# GROUP 2



# GROUP 2



# GROUP 2



# GROUP 2



GROUP 3

From the series  
*Joyrider* by Ross McDonnell

# GROUP 3



# GROUP 3



# GROUP 3



GROUP 3



# GROUP 3



# GROUP 3

